

Temporary Pipe for Stream Crossing will be measured and paid at the contract unit price per linear foot of temporary pipe approved by the Engineer and measured in place from end to end.

Article 104-5, pertaining to revised contract prices, will not apply to this item. No revision in the contract unit price will be allowed because of any overrun or underrun.

Such price and payment will be full compensation for all work covered by this section, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to construct the stream crossings.

Payment will be made under:

Pay Item	Pay Unit
Temporary Pipe for Stream Crossing	Linear Foot

SECTION 1637 RISER BASIN

1637-1 DESCRIPTION

Construct, maintain and remove riser basin devices to reduce water velocity and contain sediment.

The actual conditions which occur during the construction of the project will determine the quantity of riser basin devices constructed. The quantity of riser basins may be increased, decreased or eliminated entirely as directed. Such variations in quantity will not be considered as alterations in the details of construction or a change in the character of the work.

1637-2 MATERIALS

Refer to Divisions 3 and 10.

Item	Section
C.S. Pipe Tee riser	1032-3(C)
Stone for Erosion Control, Class A or Class B	1042-1
Coir Fiber Mat	1060-14

Use a skimmer of solid Schedule 40 PVC pipe that meets the contract.

1637-3 CONSTRUCTION METHODS

Work includes constructing earth embankments and overflow spillways, and installing outlet pipe, tee-riser sections, trash racks, anti-flotation devices, coir fiber baffles, skimmer and stone energy dissipater in silt basins in accordance with *Roadway Standard Drawings* No. 1630.01 and 1630.02. Use either anti-flotation method shown in the plans.

Construct earth embankments with 2:1 side slopes with material meeting roadway embankment specifications in accordance with Section 1018. The maximum height of earth embankments is 12 ft. Compact embankment to at least 90% of AASHTO T 99 as modified by the Department and as directed. Excavate when required to provide minimum surface area and minimum storage volume area measured below the top of the principal spillway (top of the riser pipe).

Install a C.S. pipe tee riser as specified in the plans. Additional C.S. pipe may be required to obtain the required riser pipe height (crest elevation) as indicated in the plans. Construct a trash rack and an anti-flotation device on the riser pipe. Attach skimmer to riser pipe one foot above bottom elevation of basin.

Install coir fiber baffles in the basin in accordance with Section 1640 and as directed.

Section 1638

Construct an overflow spillway outlet, on natural ground, one foot above riser pipe. Plate overflow spillway with erosion control stone Class B as specified in the plans.

Stabilize the embankment and surrounding areas with vegetation after installation. Construct energy dissipater pad at the barrel pipe outlet with erosion control stone Class B in accordance with the *Roadway Standard Drawings* No. 1630.01 and 1630.02.

1637-4 MAINTENANCE AND REMOVAL

Place a marker in the basin indicating the 50% volume level. Clean out riser basin when sediment volume reaches 50% of the storage volume in accordance with Section 1630.

Remove riser basin devices as the project nears completion or as directed. Prepare a seed bed, seed and mulch the area in accordance with Section 1660 after removal of the riser basin.

1637-5 MEASUREMENT AND PAYMENT

C.S. Pipe Tee Riser, ___" Thick will be measured and paid in units of each installed and accepted. Such price shall include furnishing and installing any additional pipe required for correct riser height, the trash rack and the anti-flotation device.

Stone for Erosion Control, Class B will be measured and paid in accordance with Section 1610.

Outlet Pipe will be measured and paid in accordance with Section 310.

Silt Excavation will be measured and paid in accordance with Section 1630.

Coir Fiber Baffle will be measured and paid in accordance with Section 1640.

Payment will not be made for any work performed under this section that is solely for the convenience of the Contractor or that is made necessary due to negligence of the Contractor.

Payment will be made under:

Pay Item	Pay Unit
___" x ___" x ___" C.S. Pipe Tee Riser, ___" Thick	Each

SECTION 1638 STILLING BASIN

1638-1 DESCRIPTION

Construct, maintain and remove earth embankments used to trap sediment from dewatering construction sites during construction of drilled piers, footing excavation or culvert construction. Work includes providing permeable stone drain, cleaning out, maintaining, removing and disposing of the stilling basins and all components and reshaping the area.

The actual conditions that occur during the construction of the project will determine the quantity of stilling basins constructed. The quantity of stilling basins may be increased, decreased or eliminated entirely as directed. Such variations in quantity will not be considered as alterations in the details of construction or a change in the character of the work.

1638-2 MATERIALS

Use suitable excavated materials, as specified in Sections 225, 230 and 240, in the construction of earth embankments for stilling basins, except where otherwise specified.

Refer to Division 10.

Item	Section
Stone for Erosion Control, Class A or Class B	1042-1
Sediment Control Stone, Standard Size No. 5 or 57	1005